

**REPORT OF THE UTILITIES DEPARTMENT  
OF  
THE PUBLIC SERVICE COMMISSION OF SOUTH CAROLINA**

**DOCKET NO. 2003-3-E  
DUKE POWER**

**REPORT OF UTILITIES DEPARTMENT**  
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# **REPORT OF UTILITIES DEPARTMENT**

## **PUBLIC SERVICE COMMISSION OF SOUTH CAROLINA**

**DOCKET NO. 2003-3-E**

### **DUKE POWER**

#### **REPORT OF FUEL ADJUSTMENT ANALYSIS**

#### **SCOPE OF EXAMINATION**

The Commission's Utilities Department Staff analyzed the Company's procedures and practices pertaining to its fuel operation. Staff's examination consisted of the following:

- 1) Review of the Company's monthly fuel reports including:
  - a) Power Plant Performance Data Reports
  - b) Major Unit Outage Reports
  - c) Generation Mix
  - d) Generation Statistics
  - e) Retail Comparison of MWH Sales
  - f) Retail Comparison of Fuel Costs
- 2) Review of the Company's currently approved Adjustment for Fuel Costs tariff.
- 3) History of Cumulative Recovery Account.
- 4) Calculation of fuel costs to be included in the base rates for June 2003 through May 2004.

#### **REVIEW OF COMPANY'S MONTHLY FUEL REPORTS**

The Company files with this Commission monthly reports that include power plant performance data, major unit outages, generation mix, and other reports that provide the Staff pertinent data on which to evaluate the Company's fuel operating expenses.

Selected information from the Power Plant Performance Data Reports for nuclear and fossil plants is shown on **Exhibit No. 1**. It includes a listing of capacity factors and equivalent availability factors for each unit by month for the period and also includes the yearly capacity factors (1999-2002) and the lifetime (cumulative) capacity factor of the nuclear units. These factors are expressed as a percentage. This percentage figure can be a useful index when attempting to locate or identify a particular problem or unusual occurrence.

Pursuant to S.C. Code Ann. Section 58-27-865 (Supp. 2002) certain criteria are established for review of a utility's effort to minimize fuel expenses. In evaluating a utility's fuel costs under this section, it is necessary to examine and determine whether the utility has made every reasonable effort to minimize fuel costs associated with the operation of its nuclear generation system while "giving due regard to reliability of service, economical generation mix, generating experience of comparable facilities and minimization of the total cost of providing service."

The Staff's Nuclear Unit Outage Report considers each outage experienced by unit, giving the inclusive dates of the outage, days out of service, type of outage (Scheduled or Forced), the reason for the outage, and the corrective action taken. This information covers the period, April 2002 through March 2003, which is being considered in this proceeding and is shown in **Exhibit No. 2A**. Staff compiled this data through review of Company documents, NRC documents, and interviews with Company personnel. The Company's Nuclear Units performed very well during this period achieving an actual average capacity factor of 95.73 percent which included five refueling outages. Four of these five refueling outages set records for the shortest outage times ever at the respective units.

The Staff's Fossil Unit Outage Report is a listing of plants by unit, duration of outage (greater than 100 hours), reason for down time, and corrective action taken to return the unit to service. The information specifically reviewed for this proceeding is for the months of April 2002 through March 2003 and is included in **Exhibit No. 2B**. These Units' Availability Factors were in the 95 plus percentile for the greater portion of this period.

Staff reviewed and compiled a percentage Generation Mix statistic sheet for the Company's fossil, nuclear and hydraulic plants for April 2002 through March 2003. The fossil generation ranged from a high of 47% to a low 39%. The nuclear generation ranged from a high of 60% to a low of 53%. The percentage of generation by hydro ranged from a high of 2% to a low of 0%. This information is included in **Exhibit No. 3**.

The Staff also collected and reviewed certain Generation Statistics of Major Plants for the 12 months ending March 31, 2003. This data is presented on **Exhibit No. 4**. This Exhibit shows the Company's major plants by name, type of fuel used, fuel cost in cents per kilowatt-hour to operate and total megawatt-hours generated for the period. The nuclear fueled Catawba and Oconee Stations were lowest in cost at 0.40 cents per kilowatt-hour. The highest amount of generation of 20,859,664 megawatt-hours was produced at the Oconee Nuclear Station.

Utilities Department **Exhibit No. 5** shows a comparison of the Company's original retail megawatt-hour (MWH) estimated sales to the actual sales for the period from April 2002 through March 2003. The original projections ranged from an over-estimate of 6.02% in March 2003 to an over-estimate of 2.14% in November 2002 with a total over-estimate of 1.42% for the period.

Utilities Department **Exhibit No. 6** shows a comparison of the Company's original fuel cost projections to the costs actually experienced for the months of April 2002 through March 2003. The original projections ranged from an under-estimate of 18.98% for February 2003 to an over-estimate of 21.70% for December 2002. The difference between actual and original projection of these fuel costs is further delineated graphically on Utilities Department **Exhibit No. 7**.

#### **REVIEW OF THE COMPANY'S CURRENTLY APPROVED RETAIL ADJUSTMENT FOR FUEL COSTS**

Staff has reviewed the Company's currently approved Retail Adjustment for Fuel Costs and found it to continue to operate properly and therefore Staff does not recommend any modifications at this time. **Exhibit No. 8** is a copy of the Company's currently approved Adjustment for Fuel Costs tariff.

#### **HISTORY OF THE CUMULATIVE RECOVERY ACCOUNT**

**Exhibit No. 9** is a history of the cumulative recovery account balances from inception in 1979 to March 2003.

#### **CALCULATION OF BASE RATE FUEL COST COMPONENT FOR JUNE 2003 THROUGH MAY 2004.**

Utilizing the currently projected sales and fuel cost figures for the period June 2003 through May 2004 and including the projected over-recovery balance of \$7,532,227 in the cumulative recovery account through May 2003 (See Audit Exhibit G), the average fuel expense is estimated to be 1.2590 cents per kilowatt-hour. Applying this fuel factor to the period would create an ending period estimated \$269 under-collection in the cumulative recovery account.

The Commission has consistently expressed its expectation that the Company exercise all reasonable prudence and efficiency in its fuel purchasing practices and aggressively control the operation and maintenance of its production facilities to assure the lowest fuel costs possible. Also, the Commission has directed the Staff to monitor the Company's plant operations and fuel purchasing to insure that any inefficient or negligent practice is brought to the Commission's attention.

**Exhibit No. 10** is a table of Projections of the Cumulative Recovery Account for various fuel base levels for the twelve month period ending May 2004. Also indicated in the table are the projected results using the current fuel factor base component of 0.9500 cents per kilowatt-hour as well as the Company's proposed factor of 1.1500 cents per KWH.

## DUKE POWER

POWER PLANT PERFORMANCE DATA REPORT  
CAPACITY FACTOR (%)

UNIT	MW RATING	LIFE TIME	YEAR 1999	YEAR 2000	YEAR 2001	YEAR 2002	APR 2002	MAY 2002	JUN 2002	JUL 2002	AUG 2002	SEP 2002	OCT 2002	NOV 2002	DEC 2002	JAN 2003	FEB 2003	MAR 2003
CATAWBA 1	1129	80	92	90	101	96	86	42	102	101	101	102	102	103	103	103	96	102
CATAWBA 2	1129	81	90	91	87	103	103	103	102	102	102	103	103	100	104	104	103	6
MCGUIRE 1	1100	72	89	104	90	94	105	104	102	101	101	42	65	105	105	103	105	105
MCGUIRE 2	1100	80	89	87	103	93	105	104	103	101	93	102	103	104	102	102	105	103
OCONEE 1	846	74	84	85	94	89	1	100	101	100	87	99	100	101	102	102	102	99
OCONEE 2	846	76	84	101	90	89	102	102	101	100	100	99	34	23	103	103	103	103
OCONEE 3	846	76	99	88	73	101	103	102	102	101	100	100	101	91	103	103	103	102
TOTAL	6996	77	90	92	92	95	88	93	102	101	98	92	89	92	103	103	103	87

## EQUIVALENT AVAILABILITY FACTOR

UNIT	MW RATING	APR 2002	MAY 2002	JUN 2002	JUL 2002	AUG 2002	SEP 2002	OCT 2002	NOV 2002	DEC 2002	JAN 2003	FEB 2003	MAR 2003
BELEWS CREEK 1	1120	100	99	98	98	100	97	82	94	100	10	0	0
BELEWS CREEK 2	1120	41	60	93	100	97	100	78	99	100	74	100	66
CLIFFSIDE 5	562	1	82	92	82	90	99	89	100	100	94	93	94
MARSHALL 3	660	99	75	100	93	100	99	100	72	90	99	99	66
MARSHALL 4	660	69	88	100	100	100	71	99	100	90	100	99	100
TOTAL	4122	65	80	97	96	98	94	87	94	97	67	71	57
CATAWBA 1	1129	85	41	99	99	99	99	100	100	100	100	93	100
CATAWBA 2	1129	100	100	100	99	99	99	100	96	100	100	99	7
MCGUIRE 1	1100	98	98	98	95	95	41	62	99	99	99	100	100
MCGUIRE 2	1100	99	99	99	96	89	96	99	99	97	97	100	99
OCONEE 1	846	1	98	100	99	86	99	100	99	100	100	100	96
OCONEE 2	846	100	100	100	99	99	99	35	23	99	100	100	100
OCONEE 3	846	100	100	100	99	99	99	100	89	100	100	100	100
TOTAL	6996	83	91	99	98	95	90	85	87	99	99	99	86

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EXHIBIT NO. 1

**DUKE POWER**  
**NUCLEAR UNIT OUTAGE REPORT**  
**April 1, 2002 – March 31, 2003**

<u>UNIT</u>	<u>DATE OF OUTAGE</u>	<u>DAYS/TYPE*</u>	<u>REASON FOR OUTAGE AND CORRECTIVE ACTION</u>
OCONEE 1	03/23/02 – 04/29/02	36.88/S	Refueling Outage continued from March.
	04/30/02 – 04/30/02	0.74/F	Main turbine vibration balanced.
	08/14/02 – 08/17/02	2.85/F	Permanent magnet generator failure.
OCONEE 2	10/12/02 – 11/23/02	42.34/S	Refueling and maintenance Outage.
OCONEE 3	11/14/02 – 11/17/02	3.00/F	Equipment failure resulted in High Moisture Separator Reheater Level.
MCGUIRE 1	09/13/02 – 10/10/02	26.30/S	Refueling Outage.
	10/10/02 – 10/11/02	0.69/F	Main steam piping flange leak repaired.
MCGUIRE 2	08/22/02 – 08/24/02	1.81/F	Unit manually tripped due to loss of main generator hydrogen cooling due to hydrogen dryer drain plug failure. Repairs made and unit returned to service.

**DUKE POWER**  
**NUCLEAR UNIT OUTAGE REPORT**  
 April 1, 2002 – March 31, 2003

<u>UNIT</u>	<u>DATE OF OUTAGE</u>	<u>DAYS/TYPE*</u>	<u>REASON FOR OUTAGE AND CORRECTIVE ACTION</u>
CATAWBA 1	04/27/02 – 05/18/02	21.19/S	Refueling Outage.
	02/04/03 – 02/05/03	1.55/F	During replacement of Feedwater Transmitter, pump speed increased resulting in high level in the Steam Generator. Feedwater Transmitter replaced and unit returned to service.
CATAWBA 2	03/01/03 – 03/27/03	26.33/S	Refueling Outage plus turbine overspeed trip test.
	03/28/03 – 03/29/03	0.46/F	Feedwater and Turbine intercept valves failed. Repaired and returned unit to service.

**TYPE\* F- Forced    S- Scheduled**



**DUKE POWER**  
**MAJOR FOSSIL UNIT OUTAGE REPORT**  
 (100 HRS OR GREATER DURATION)  
 APRIL 1, 2002 – MARCH 31, 2003

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<u>MONTH</u>	<u>UNIT</u>	<u>HRS/TYPE*</u>	<u>REASON FOR OUTAGE AND CORRECTIVE ACTION</u>
APR 02	Belews 2	421/S	Boiler inspections.
	Cliffside 5	710/S	Major Turbine overhaul.
	Marshall 4	214/S	Minor Boiler overhaul.
MAY 02	Marshall 3	188/F	Furnace wall tube leak.
JUN 02	NONE		
JUL 02	Cliffside 5	128/F	Fire due to fuel oil strainer leak.
AUG 02	NONE		
SEP 02	Marshall 4	211/S	Boiler inspections.
OCT 02	Belews 1	119/F	Furnace wall tube leak.
	Belews 2	156/F	Superheater tube leak.
NOV 02	Marshall 3	194/S	Boiler inspections.
DEC 02	NONE		
JAN 03	Belews 1	672/S	Control system upgrade.
	Belews 2	101/F	Economizer tube leak.
FEB 03	Belews 1	672/S	Control system upgrade continued.
MAR 03	Belews 1	744/S	Control system upgrade continued.
	Belews 2	184/F	Vibration of the turbine generator.
	Marshall 3	241/S	Minor Boiler overhaul.

TYPE\* F – Forced S – Scheduled

**DUKE POWER**  
**NET GENERATION MIX**  
**APRIL 1, 2002 - MARCH 31, 2003**

<u>MONTH-YEAR</u>	<u>PERCENTAGE</u>		
	<u>FOSSIL</u>	<u>NUCLEAR</u>	<u>HYDRO</u>
April-02	42	58	0
May-02	40	60	0
June-02	43	57	0
July-02	46	54	0
August-02	45	55	0
September-02	47	53	0
October-02	47	53	0
November-02	43	57	0
December-02	39	60	1
January-03	43	56	1
February-03	44	56	0
March-03	44	54	2

## DUKE POWER

### GENERATION STATISTICS OF MAJOR PLANTS

APRIL 1, 2002 –MARCH 31, 2003

PLANT	TYPE FUEL	AVERAGE FUEL COST (CENTS/KWH*)	GENERATION (MWH)
Catawba	Nuclear	0.40	18,775,814
Oconee	Nuclear	0.40	20,859,664
McGuire	Nuclear	0.41	19,031,127
Marshall	Coal	1.41	14,932,054
Cliffside 5	Coal	1.70	3,312,340
Belews Creek	Coal	1.47	14,445,562

(\*) The average fuel costs for coal-fired plants include oil cost for start-up and flame stabilization.

# DUKE POWER

## SOUTH CAROLINA RETAIL COMPARISON OF ESTIMATED TO ACTUAL ENERGY SALES

	2002	2003												
		<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>TOTAL</u>
[1] ESTIMATED SALES [MWH]		1,655,175	1,672,429	1,875,916	1,980,728	2,146,058	2,004,030	1,682,094	1,602,078	1,705,506	1,867,667	1,810,337	1,673,424	21,675,442
[2] ACTUAL SALES [MWH]		1,610,498	1,701,386	1,841,386	1,945,785	2,150,826	1,958,095	1,692,041	1,637,187	1,733,465	1,772,066	1,750,788	1,578,394	21,371,917
[3] AMOUNT DIFFERENCE [1]-[2]		44,677	-28,957	34,530	34,943	-4,768	45,935	-9,947	-35,109	-27,959	95,601	59,549	95,030	303,525
[4] PERCENT DIFFERENCE [3]/[2]		2.77%	-1.70%	1.88%	1.80%	-0.22%	2.35%	-0.59%	-2.14%	-1.61%	5.39%	3.40%	6.02%	1.42%

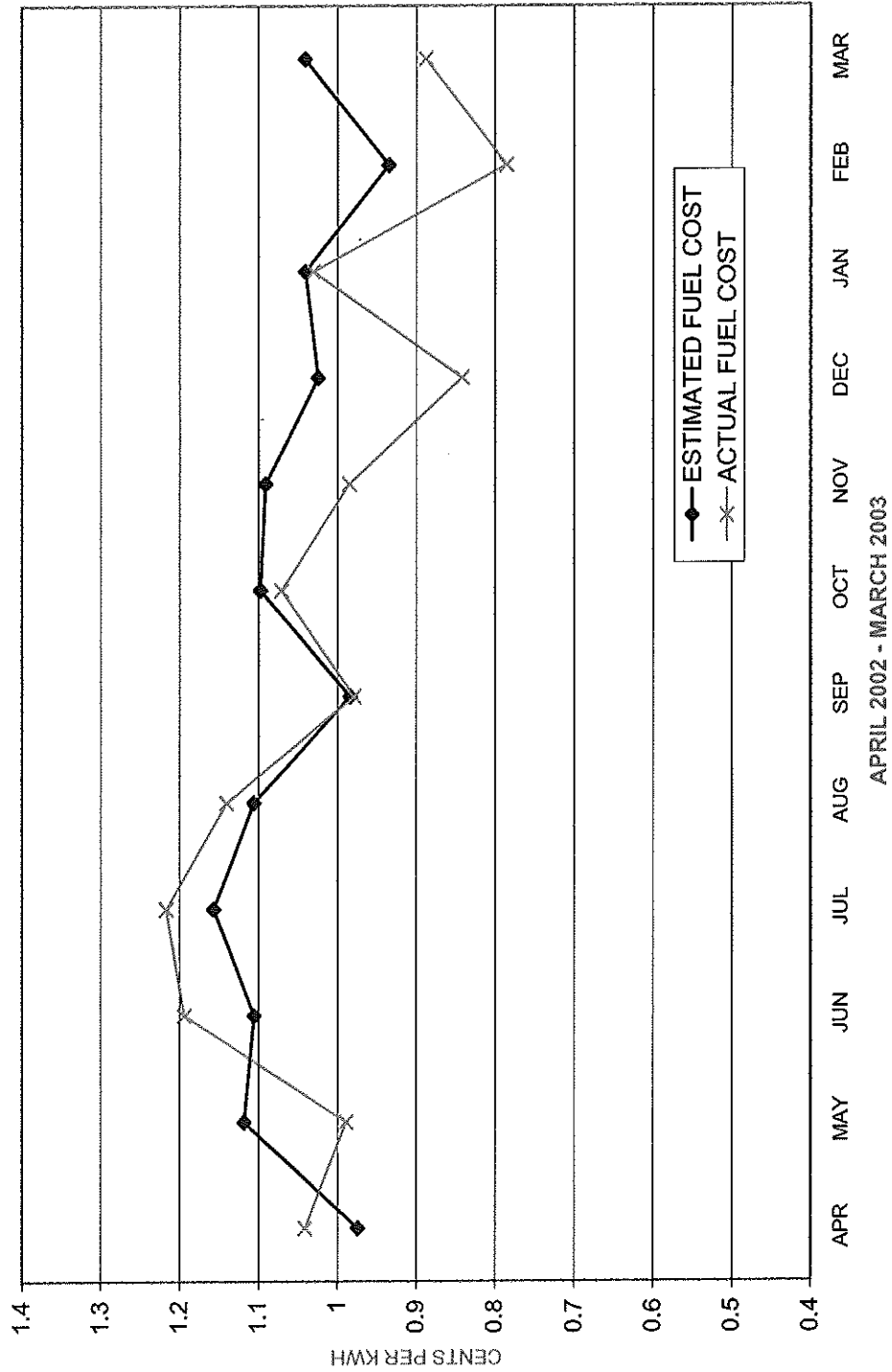
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EXHIBIT NO. 5

DUKE POWER  
SOUTH CAROLINA RETAIL COMPARISON OF ESTIMATED TO ACTUAL FUEL COST  
(CENTS /KWH)

	2002		<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	2003	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>
[1] ORIGINAL PROJECTION	0.9745		1.1188	1.1058	1.1574	1.1060	0.9839	1.0976	1.0909	1.0242	1.0408	0.9342	1.0411	
[2] ACTUAL EXPERIENCE	1.0410		0.9889	1.1937	1.2169	1.1408	0.9790	1.0711	0.9849	0.8416	1.0304	0.7852	0.8874	
[3] AMOUNT IN BASE	0.9500		0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	0.9500	
[4] VARIANCE FROM ACTUAL [1-2]/[2]	-6.39%		13.14%	-7.36%	-4.89%	-3.05%	0.50%	2.47%	10.76%	21.70%	1.01%	18.98%	17.32%	

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EXHIBIT NO. 6

# DUKE POWER ESTIMATED TO ACTUAL FUEL COST



Duke Power

Electricity No. 4  
 South Carolina Sixteenth Revised Leaf No. 50B  
 Superseding South Carolina Fifteenth Revised Leaf No. 50B

### ADJUSTMENT FOR FUEL COSTS

#### APPLICABILITY

This adjustment is applicable to and is a part of the Utility's South Carolina retail electric rate schedules.

The Public Service Commission has determined that the costs of Fuel in an amount to the nearest one ten-thousandth of a cent, as determined by the following formula, will be included in the base rates to the extent determined reasonable and proper by the Commission.

$$F = \frac{E}{S} + \frac{G}{S_1}$$

Where:

F = Fuel cost per kilowatt-hour included in base rate, rounded to the nearest one ten-thousandth of a cent.

E = Total Projected system Fuel costs:

- (A) Fuel consumed in the Utility's own plants and the Utility's share of fuel consumed in jointly owned or leased plants. The cost of fossil fuel shall include no items other than those listed in Account 151 of the Commission's Uniform System of Accounts for Public Utilities and Licensees plus SO<sub>2</sub> emission allowances recorded in Account 509. The cost of nuclear fuel shall be that as shown in Account 518 excluding rental payments on leased nuclear fuel and except that, if Account 518 also contains any expense for fossil fuel which has already been included in the cost of fossil fuel, it shall be deducted from this account.

Plus

- (B) Purchased power fuel costs and applicable SO<sub>2</sub> emission allowances such as those incurred in unit power and Limited Term power purchases where the fuel costs and applicable SO<sub>2</sub> emission allowances associated with energy purchased are identifiable and are identified in the billing statement.

Plus

- (C) Interchange power fuel costs and applicable SO<sub>2</sub> emission allowances such as Short Term, Economy and other where the energy is purchased on economic dispatch basis.

Energy receipts that do not involve money payments such as Diversity energy and payback of storage energy are not defined as purchased or interchange power relative to this fuel calculation.

Minus

- (D) The cost of fuel and applicable SO<sub>2</sub> emission allowances recovered through intersystem sales including the fuel costs and applicable SO<sub>2</sub> emission allowances related to economy energy sales and other energy sold on an economic dispatch basis.

Energy deliveries that do not involve billing transactions such as Diversity energy and payback of storage energy are not defined as sales relative to this fuel calculation.

S = Projected system kilowatt-hour sales excluding any intersystem sales.

G = Cumulative difference between jurisdictional fuel revenues billed and fuel expenses at the end of the month preceding the projected period utilized in E and S.

S<sub>1</sub> = Projected jurisdictional kilowatt-hour sales for the period covered by the fuel costs included in E.

The appropriate revenue-related tax factor is to be included in these calculations.

The fuel cost F as determined by SCPSC Order No. 2002-401 for the period June 2002 through May 2003 is 0.9500 cent per kilowatt-hour.

**DUKE POWER**

**HISTORY OF CUMULATIVE RECOVERY ACCOUNT**

<u>PERIOD ENDING</u>	<u>OVER (UNDER)\$</u>
May 1979 - Automatic Fuel Adjustment in Effect	
November-79	1,398,442
May-80	11,322,948
November-80	4,588,331
May-81	(5,760,983)
November-81	(13,061,000)
May-82	(14,533,577)
November-82	(4,314,612)
May-83	20,915,390
November-83	14,192,297
May-84	18,245,503
November-84	14,478,363
May-85	2,551,115
November-85	(553,465)
May-86	(1,318,767)
November-86	(29,609,992)
May-87	(27,241,846)
November-87	(29,329,168)
May-88	(9,373,768)
November-88	6,544,914
May-89	6,067,739
November-89	11,372,399
May-90	15,421,968
November-90	2,939,303
May-91	17,068,483
November-91	21,265,000
May-92	21,080,856
November-92	11,553,801
May-93	16,959,555
November-93	221,606
May-94	6,609,897
November-94	1,037,659
May-95	5,088,619
November-95	(377,507)
March-97	(13,299,613)
March-98	(1,956,794)
March-99	13,044,443
March-00	26,703,441
March-01	20,367,528
March-02	(7,446,417)
March-03	(1,166,680)



**DUKE POWER**  
**PROJECTIONS OF THE CUMULATIVE RECOVERY ACCOUNT**  
**FOR THE TWELVE MONTH PERIOD ENDING**  
**MAY 2004**

	FUEL BASE (Cents/Kwh)	PROJECTED CUMULATIVE OVER/(UNDER) RECOVERY (\$)
	0.9000	(77,695,670)
CURRENT FACTOR	0.9500	(66,874,584)
	1.0000	(56,053,497)
	1.1000	(34,411,324)
COMPANY PROPOSED	1.1500	(23,590,238)
	1.2000	(12,769,151)
	1.2500	(1,948,065)
	1.2587	(65,195)
	1.2588	(43,553)
	1.2589	(21,911)
ZERO UNDER	1.2590	(269)
ZERO OVER	1.2591	21,373
	1.3000	8,873,022
	1.3250	14,283,565
	1.3500	19,694,109
	1.3750	25,104,652
	1.4000	30,515,195
	1.4250	35,925,738
	1.4500	41,336,282
	1.4750	46,746,825
	1.5000	52,157,368
	1.5250	57,567,911
	1.5500	62,978,455
	1.5750	68,388,998
	1.6000	73,799,541

Utilities Department **Exhibit No. 6** shows a comparison of the Company's original fuel cost projections to the costs actually experienced for the months of April 2002 through March 2003. The original projections ranged from an under-estimate of 18.98% for February 2003 to an over-estimate of 21.70% for December 2002. The difference between actual and original projection of these fuel costs is further delineated graphically on Utilities Department **Exhibit No. 7**.

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Staff has reviewed the Company's currently approved Retail Adjustment for Fuel Costs and found it to continue to operate properly and therefore Staff does not recommend any modifications at this time. **Exhibit No. 8** is a copy of the Company's currently approved Adjustment for Fuel Costs tariff.

#### **HISTORY OF THE CUMULATIVE RECOVERY ACCOUNT**

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#### **CALCULATION OF BASE RATE FUEL COST COMPONENT FOR JUNE 2003 THROUGH MAY 2004.**

Utilizing the currently projected sales and fuel cost figures for the period June 2003 through May 2004 and including the projected under-recovery balance of \$7,486,641 in the cumulative recovery account through May 2003 (See Audit Exhibit G), the average fuel expense is estimated to be 1.2587 cents per kilowatt-hour. Applying this fuel factor to the period would create an ending period estimated \$19,609 under-collection in the cumulative recovery account.

The Commission has consistently expressed its expectation that the Company exercise all reasonable prudence and efficiency in its fuel purchasing practices and aggressively control the operation and maintenance of its production facilities to assure the lowest fuel costs possible. Also, the Commission has directed the Staff to monitor the Company's plant operations and fuel purchasing to insure that any inefficient or negligent practice is brought to the Commission's attention.

**Exhibit No. 10** is a table of Projections of the Cumulative Recovery Account for various fuel base levels for the twelve month period ending May 2004. Also indicated in the table are the projected results using the current fuel factor base component of 0.9500 cents per kilowatt-hour as well as the Company's proposed factor of 1.1500 cents per KWH.

**DUKE POWER**

**HISTORY OF CUMULATIVE RECOVERY ACCOUNT**

<u>PERIOD ENDING</u>	<u>OVER (UNDER)\$</u>
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November-83	14,192,297
May-84	18,245,503
November-84	14,478,363
May-85	2,551,115
November-85	(553,465)
May-86	(1,318,767)
November-86	(29,609,992)
May-87	(27,241,846)
November-87	(29,329,168)
May-88	(9,373,768)
November-88	6,544,914
May-89	6,067,739
November-89	11,372,399
May-90	15,421,968
November-90	2,939,303
May-91	17,068,483
November-91	21,265,000
May-92	21,080,856
November-92	11,553,801
May-93	16,959,555
November-93	221,606
May-94	6,609,897
November-94	1,037,659
May-95	5,088,619
November-95	(377,507)
March-97	(13,299,613)
March-98	(1,956,794)
March-99	13,044,443
March-00	26,703,441
March-01	20,367,528
March-02	(7,446,417)
March-03	(1,121,094)

**DUKE POWER**  
**PROJECTIONS OF THE CUMULATIVE RECOVERY ACCOUNT**  
**FOR THE TWELVE MONTH PERIOD ENDING**  
**MAY 2004**

	FUEL BASE (Cents/Kwh)	PROJECTED CUMULATIVE OVER/(UNDER) RECOVERY (\$)
	0.9000	(77,650,084)
CURRENT FACTOR	0.9500	(66,828,998)
	1.0000	(56,007,911)
	1.1000	(34,365,738)
COMPANY PROPOSED	1.1500	(23,544,652)
	1.2000	(12,723,565)
	1.2500	(1,902,479)
ZERO UNDER	1.2587	(19,609)
ZERO OVER	1.2588	2,033
	1.2589	23,675
	1.2590	45,317
	1.2591	66,959
	1.3000	8,918,608
	1.3250	14,329,151
	1.3500	19,739,695
	1.3750	25,150,238
	1.4000	30,560,781
	1.4250	35,971,324
	1.4500	41,381,868
	1.4750	46,792,411
	1.5000	52,202,954
	1.5250	57,613,497
	1.5500	63,024,041
	1.5750	68,434,584
	1.6000	73,845,127